

BRUHAT BANGALORE MAHANAGARA PALIKE
DASARAHALLI ZONE

Name of Work:- Modified Estimate for improvements & Asphaltting to Mallasandra main Road from Govt.School to Anjaneya swamy Temple Road in Mallasandra, in Shettyhalli Sub Division, Ward

			Est. Cost Rs				25.00	Lakhs	
Sl.	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications Page No. 150/ Item No. 19.1/ PWD SR 2013-14						Cum		
	Malsandra Main Road		1	250.00	0.75	0.30	56.25		
	Kuvempu College Road		1	345.00	0.75	0.30	77.63		
	Govt School Opposite Road		1	238.00	0.75	0.30	53.55		
	6th cross		1	170.00	0.75	0.30	38.25		
	7th Cross		1	150.00	0.75	0.30	33.75		
							259.43	65.88	17090.92
	Basic Rate	61.00							
	Area Weightage 8%	4.88							
	Total	65.88							
3	KSRRB M400- Wet Mix Macadam - KSRRB M400-17. Providing, laying, spreading and compacting graded stones aggregate to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 (P.167/L.20.18 PW, P & ISTD - SR 2013-14)						Cum		
	Malsandra Main Road		1	250.00	0.75	0.25	46.88		
	Kuvempu College Road		1	345.00	0.75	0.25	64.69		
	Govt School Opposite Road		1	238.00	0.75	0.25	44.63		
	Bad Reach		2	20.00	1.50	0.25	15.00		
	6th cross		1	170.00	0.75	0.25	31.88		
	7th Cross		1	150.00	0.75	0.25	28.13		
							231.19	1121.04	259170.44
	Basic Rate	1038.00							
	Add Area Weightage 8%	83.04							
	Total	1121.04							
4	KSRRB M500-6. Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. MORTH Specification No. 502 Page No. 175/ Item No. 21.6/ PWD SR 2013-14						Sqm		
	Malsandra Main Road		1	250.00	0.75		187.50		
	Kuvempu College Road		1	345.00	0.75		258.75		
	Govt School Opposite Road		1	238.00	0.75		178.50		
	Bad Reach		2	20.00	0.75		30.00		
	6th cross		1	170.00	0.75		127.50		

	7th Cross		1	150.00	0.75		112.50		
							894.75	44.28	39619.53
	Basic Rate	41.00							
	Add Area Weightage 8%	3.28							
	Total	44.28							
5	KSRRB 500-11. Providing and laying bituminous macadam on prepared surface with crushed coarse aggregates as per design mix formula for base / binding course including loading of aggregates with F.E. loader, hot mixing of stone aggregates and bitumen in hot mix plant 40 tonne capacity, transporting the mixed material in tipper to paver and laying mixed materials with paver finisher to the required level and grade, rolling by power roller to achieve the desired density, 50 /75mm compacted thickness with 3.3% bitumen but excluding cost of primer / tack coat with lead upto 1km including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH /Chapter 5. With 60/70 grade bitumen. Page No. 176/ Item No. 21.11.2/ PWD SR 2013-14						Cum		
	Road cut Portion								
	Malsandra Main Road		1	250.00	0.75	0.05	9.38		
	Kuvempu College Road		1	345.00	0.75	0.05	12.94		
	Govt School Opposite Road		1	238.00	0.75	0.05	8.93		
	Bad Reach		2	20.00	0.75	0.05	1.50		
	6th cross		1	170.00	0.75	0.05	6.38		
	7th Cross		1	150.00	0.75	0.05	5.63		
							44.74	6646.32	297339.74
	Basic Rate	6154							
	Add Area Weightage 8%	492.32							
	Total	6646.32							
6	KSRRB 500-2. Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH / Chapter 5. (Page No. 175, Item No. 21.1, PWD SR 2013-14						Sqm		
	Malsandra Main Road		1	250.00	6.00		1500.00		
	Kuvempu College Road		1	345.00	5.50		1897.50		
	Govt School Opposite Road		1	238.00	6.10		1451.80		
							4849.30	2.592	12569.39
	Basic Rate	2.4							
	Add Area Weightage 8%	0.192							
	Total	2.59							

7	KSRRB 500-7. Providing and applying tack coat on the prepared black topped surfaces at 2.5 kg per 10 sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH/Chapter 5 Page No. 176/ Item No. 21.7/ PWD SR 2013-14						Sqm		
	Malsandra Main Road		1	250.00	6.00		1500.00		
	Kuvempu College Road		1	345.00	5.50		1897.50		
	Govt School Opposite Road		1	238.00	6.10		1451.80		
							4849.30	11.988	58133.408
	Basic Rate	11.10							
	Add Area Weightage 8%	0.888							
	Total	11.988							
8	Providing and laying semi dense bituminous concrete with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 4.5 to 5% of mix and filler, transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.8 complete in all respects as per specifications. Item No. 21.20.1, Page no. 178, SR 2013-14						Cum		
	Malsandra Main Road		1	250.00	6.00	0.025	37.50		
	Kuvempu College Road		1	345.00	5.50	0.025	47.44		
	Govt School Opposite Road		1	260.00	6.10	0.025	39.65		
	6th cross		1	170.00	4.40	0.025	18.70		
	7th Cross		1	150.00	4.00	0.025	15.00		
							158.29	9631.44	1524536.56
	Basic Rate	8918							
	Add Area Weightage 8%	713.44							
	Total	9631.44							
9	Carriage of mixed materials 10kms . For items of Sl. No (1) rs. 5.20 per cum/km. Page No. 186/PWD SR 2013-14						Cum		
	Qty Vide tem No. 3+ 5 + 8						434.21	56.16	24385.37
	Basic Rate	52							

	Area Weightage 8%	4.16							
		56.16							
10	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 10 Km a)Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 Rs. 2.00 Tonne/Km b)Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c)Add loading and unloading Item No. 17.1 KSRRB M 100-1 Rs. 62.20 (P.150, I.no.18.57/1, PWD SR 2013-14)								
	Qty Vide Item No=1						259.43		
	Qty Limited to						259.43	72.71	18863.15
	Basic Rate (Rs.2.0 x 1.28 x 2 kms)	5.12							
	Loading and Unloading Charges	62.20							
		67.32							
	Area Weightage @ 8%	5.39							
	Total	72.71							2251708.5
								Total	2250810.00
11	Add: KRIDL Service charges @ 10% + Labour Cess charges @ 1%								
									247687.93
									247589.10
12	Miscellaneous and other unforeseen charges								
									1601
									603.57
								Total	2500000.00
(Rupees TwentyFive Lakhs Only)									

CERTIFICATE

- 1 The work sport has been inspected and the work found to be necessary
- 2 This estimate is prepared as per the PWD S.R of 2013-14
- 3 The provisions made in estimate are adequate and essential
- 4 This area comes under BBMP limits

Asst. Engineer
Ward No-13

Asst.Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

CE/D2/TS/26/14-15

ಸಂ. pg. 66 ದಿನಾಂಕ : 20/5/2014

ರೂ. 25.00 Lakhs (Rupees Twenty Five Lakhs only)

ಗೌರಿ ಅಂಚಾಣು ಪಟ್ಟಣ ಅಂತರಿಕ ಸಹಾಯಕರಾದುದರಿಂದ

ಮುಖ್ಯ ಅಧಿಕಾರಿಗಳು

ಅಂತರಿಕ ಸಹಾಯಕರು

ದಾಖಲೆ ಪರಿಶೀಲನೆ, ಬೆಂಗಳೂರು.

Job Code No : 013-13-800037

P. Code : 2201 .
Rs : 25.00 ಲಕ್ಷಗಳಿಗೆ.